



# 2001 Toxics Release Inventory

## KENTUCKY

### Reported Releases and Other Waste Management Activities (in pounds)

	Total
On-site Releases	81,980,954
Air Emissions	58,703,794
Surface Water Discharges	2,118,567
Underground Injection Class I Wells	0
Underground Injection Class II-V Wells	54,425
On-site Land Releases to RCRA Subtitle C Landfills	1,609
Other On-site Land Releases	21,102,560
Off-site Releases (Transfers Off-site to Disposal)*	11,714,700
<b>Total On- and Off-site Releases</b>	<b>93,695,654</b>
Recycled On-site	242,266,568
Recycled Off-site	45,970,185
Energy Recovery On-site	63,137,385
Energy Recovery Off-site	30,778,647
Treated On-site	191,201,719
Treated Off-site**	13,224,631
Quantity Released On- and Off-site***	92,168,977
<b>Total Production-related Waste Managed</b>	<b>678,748,112</b>
<b>Non-production-related Waste Managed</b>	<b>2,253,885</b>
<b>Transfers Off-site for Further Waste Management, including Disposal</b>	
Recycling	44,407,850
Energy Recovery	30,657,719
Treatment	7,195,980
Publicly Owned Treatment Works (POTWs)	5,474,936
Metals and Metal Category Compounds*	68,939
Non-metal TRI Chemicals**	5,405,997
Other Off-site Transfers****	0
Transfers Off-site to Disposal (not including metals to POTWs)	11,939,116
<b>Total Transfers Off-site for Further Waste Management, including Disposal</b>	<b>99,675,600</b>

\* Transfers to POTWs of metals and metal category compounds are included in off-site releases. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

\*\* Transfers to POTWs of non-metals are included in treated off-site waste management activity.

\*\*\* Excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions.

\*\*\*\* Transfers reported without a valid waste management code.

### For More Information . . .

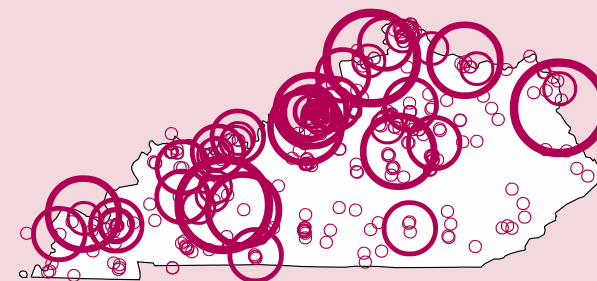
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To obtain TRI data use  
assistance, call TRI User  
Support Service (TRI-US):  
(202) 566-0250  
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The largest circle in the state map represents the largest facility for on-site releases in the state of Kentucky. All circles are proportionally-sized to represent the on-site releases at each facility within this state.

#### State/TRI Data

Population	4,068,816
Square Miles	39,732
Total Facilities	494
Total Forms	2,282
Form As	252

	Total
<b>National Rank for Total On- and Off-site Releases*</b>	
Rank	19
Pounds	93,695,654
<b>National Rank for Total On-site Releases**</b>	
Rank	19
Pounds	81,980,954
<b>National Rank for Total Releases within State***</b>	
Rank	20
Pounds	87,677,456
<b>National Rank for Production-related Waste Managed</b>	
Rank	13
Pounds	678,748,112

\* Includes transfers out-of-state for disposal. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

\*\* Includes amounts released at the facility. Excludes amounts transferred to other sites.

\*\*\* Excludes transfers for disposal sent out-of-state or sent to other TRI facilities within the state reporting that amount released on-site.



# 2001 Toxics Release Inventory

## KENTUCKY

### On-site and Off-site Releases for Top Five Chemicals Ranked on Total Releases in the State (All Chemicals)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
7647-01-0	Hydrochloric acid	21,852,147	5	0	0	55,660	21,907,812	0	48,373	7,287
7664-93-9	Sulfuric acid	9,437,398	0	0	0	0	9,437,398	0	0	0
—	Barium compounds	46,744	205,896	0	6,118,577	1,779,203	8,150,420	186,205	1,747,992	31,211
67-56-1	Methanol	4,304,042	26,900	0	1,451	250	4,332,643	4,842	250	0
—	Zinc compounds	172,598	47,669	0	2,507,548	904,785	3,632,600	142,429	494,822	410,276

### On-site and Off-site Releases for PBT Chemicals Ranked on Total Releases in the State

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
—	Lead compounds	19,815.89	6,921.10	0.00	983,593.45	122,776.59	1,133,107.03	87,038.78	57,076.23	65,704.13
7439-92-1	Lead	14,971.28	1,495.18	0.55	81,225.85	58,801.94	156,494.79	14,694.22	21,828.94	36,974.67
—	Polycyclic aromatic compounds	74,331.58	39.40	331.30	670.60	3,312.00	78,684.88	95,593.90	2,404.70	907.30
7439-97-6	Mercury	1,441.05	22.40	0.00	185.10	22,312.10	23,960.65	18.09	13,487.80	8,824.30
—	Mercury compounds	3,814.82	69.62	0.00	3,672.10	2,832.64	10,389.18	88.25	26.64	2,806.00
1336-36-3	Polychlorinated biphenyls (PCBs)	18.25	0.00	0.00	395.45	0.80	414.50	53.00	0.80	0.00
191-24-2	Benzo(g,h,i)perylene	134.75	0.10	1.65	3.05	14.30	153.85	11,670.00	0.00	14.30
72-43-5	Methoxychlor	0.51	0.00	0.00	0.00	12.47	12.98	0.40	12.47	0.00
118-74-1	Hexachlorobenzene	0.21	9.00	0.00	0.00	0.00	9.21	0.00	0.00	0.00
1582-09-8	Trifluralin	0.31	0.00	0.00	0.00	7.68	7.99	0.00	7.68	0.00
—	Dioxin and dioxin-like compounds	0.06	0.00	0.00	0.55	0.41	1.02	0.26	0.41	0.00
—	<i>Dioxin and dioxin-like compounds (in grams)</i>	<i>25.040</i>	<i>0.022</i>	<i>0.450</i>	<i>251.055</i>	<i>186.119</i>	<i>462.686</i>	<i>117.660</i>	<i>186.119</i>	<i>0.000</i>
57-74-9	Chlordane	0.58	0.00	0.00	0.00	0.13	0.71	0.00	0.13	0.00
8001-35-2	Toxaphene	0.55	0.00	0.00	0.00	0.05	0.60	0.00	0.05	0.00
76-44-8	Heptachlor	0.27	0.00	0.00	0.00	0.05	0.32	0.00	0.05	0.00
309-00-2	Aldrin	0.26	0.00	0.00	0.00	0.01	0.27	0.00	0.01	0.00
465-73-6	Isodrin	0.19	0.00	0.00	0.00	0.00	0.19	0.00	0.00	0.00
608-93-5	Pentachlorobenzene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29082-74-4	Octachlorostyrene	—***	—	—	—	—	—	—	—	—
40487-42-1	Pendimethalin	—***	—	—	—	—	—	—	—	—
79-94-7	Tetrabromobisphenol A	—***	—	—	—	—	—	—	—	—

\* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

\*\*\* No reports were submitted for these chemicals.

\*\* The chemical ranking is based on the amounts in this column.



# 2001 Toxics Release Inventory

## KENTUCKY

### On-site and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (All Chemicals)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases	
	Underground Injection				On-site Releases to Land			(Transfers Off-site to Disposal)	
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds		Transferred Within State Pounds	Transferred Out of State Pounds
U.S. TVA Paradise Fossil Plant, Drakesboro, Muhlenberg	6,396,251	156,571	0	0	0	2,257,695	8,810,518	500	3,080
Kentucky Utilities Co. Ghent Station, Ghent, Carroll	4,546,231	166,614	0	0	0	3,056,332	7,769,177	0	0
American Electric Power Big Sandy Plant, Louisa, Lawrence	5,319,518	4,225	0	0	0	1,119,485	6,443,228	1,504	0
Spurlock Power Station, Maysville, Mason	3,295,730	2,168	0	0	0	831,091	4,128,989	0	0
Kentucky Utilities Co. E. W. Brown Station, Burgin, Mercer	2,566,564	39,420	0	0	0	903,077	3,509,061	0	0
Louisville Gas & Electric Co. Mill Creek Station, Louisville, Jefferson	986,916	102,456	0	0	0	2,244,334	3,333,706	0	0
U.S. TVA Shawnee Fossil Plant, West Paducah, Mc Cracken	708,634	21,305	0	0	0	2,192,358	2,922,297	281	120
Du Pont Louisville Plant, Louisville, Jefferson	2,665,103	0	0	0	0	0	2,665,103	0	8,737
Imco Recycling Inc., Morgantown, Butler	40,086	0	0	0	0	2,314,901	2,354,987	0	7
Cooper Power Station, Burnside, Pulaski	1,741,150	875	0	0	0	393,057	2,135,082	0	0

### On-site and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (PBT Chemicals)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection				On-site Releases to Land			Transferred Within State Pounds	Transferred Out of State Pounds
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds			
U.S. TVA Paradise Fossil Plant, Drakesboro, Muhlenberg	2,896.41	621.40	0.00	0.00	0.00	193,695.20	197,213.01	0.00	2,830.00
Kentucky Utilities Co. Ghent Station, Ghent, Carroll	933.87	595.00	0.00	0.00	0.00	143,182.00	144,710.87	0.00	0.00
Louisville Gas & Electric Co. Mill Creek Station, Louisville, Jefferson	635.53	558.00	0.00	0.00	0.00	129,194.00	130,387.53	0.00	0.00
U.S. Army Fort Knox Ranges, Fort Knox, Hardin	741.00	0.00	0.00	0.00	0.00	107,463.00	108,204.00	0.00	0.00
U.S. Army Fort Campbell Range, Fort Campbell, Christian	1,133.00	0.00	0.00	0.00	0.00	55,108.00	56,241.00	0.00	0.00
Kentucky Utilities Co. E. W. Brown Station, Burgin, Mercer	1,001.47	223.00	0.00	0.00	0.00	53,477.00	54,701.47	0.00	0.00
Louisville Gas & Electric Co. Cane Run Station, Louisville, Jefferson	307.29	20.00	0.00	0.00	0.00	51,387.00	51,714.29	0.00	0.00
Louisville Gas & Electric Co. Trimble County Station, Bedford, Trimble	285.27	0.00	0.00	0.00	0.00	44,516.00	44,801.27	0.00	0.00
Carbide/Graphite Group, Calvert City, Marshall	44,022.00	0.00	0.00	0.00	0.00	0.00	44,022.00	0.00	0.00
American Electric Power Big Sandy Plant, Louisa, Lawrence	982.80	16.00	0.00	0.00	0.00	40,560.00	41,558.80	70.00	0.00

\* The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.



# 2001 Toxics Release Inventory

## KENTUCKY

### Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (All Chemicals)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site* Pounds	Total Production-related Waste Managed Pounds	Total Non-Production-related Waste Managed Pounds
U.S. TVA Paradise Fossil Plant, Drakesboro, Muhlenberg	0	617	0	0	13,261,700	0	8,822,362	22,084,679	0
Kentucky Utilities Co. Ghent Station, Ghent, Carroll	0	0	0	0	5,016,300	0	7,767,787	12,784,087	0
American Electric Power Big Sandy Plant, Louisa, Lawrence	0	34,606	0	0	2,444,000	0	6,444,683	8,923,289	0
Spurlock Power Station, Maysville, Mason	0	0	0	0	0	0	4,136,170	4,136,170	0
Kentucky Utilities Co. E. W. Brown Station, Burgin, Mercer	0	0	0	0	905,200	0	3,509,076	4,414,276	0
Louisville Gas & Electric Co. Mill Creek Station, Louisville, Jefferson	0	0	0	0	9,323,700	0	3,335,107	12,658,807	0
Gibbs Die-Casting Corp., Henderson, Henderson	3,908,000	446,000	0	0	0	2,236	3,230,299	7,586,535	0
U.S. TVA Shawnee Fossil Plant, West Paducah, Mc Cracken	0	0	0	0	1,365,000	0	3,003,381	4,368,381	0
Du Pont Louisville Plant, Louisville, Jefferson	0	36,690	0	0	0	169,980	2,673,840	2,880,510	0
Imco Recycling Inc., Morgantown, Butler	27,300	0	0	0	0	0	2,323,501	2,350,801	0

### Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (PBT Chemicals)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site* Pounds	Total Production-related Waste Managed Pounds	Total Non-Production-related Waste Managed Pounds
U.S. TVA Paradise Fossil Plant, Drakesboro, Muhlenberg	0.00	261.00	0.00	0.00	0.00	0.00	195,242.00	195,503.00	0.00
Kentucky Utilities Co. Ghent Station, Ghent, Carroll	0.00	0.00	0.00	0.00	0.00	0.00	144,587.00	144,587.00	0.00
Louisville Gas & Electric Co. Mill Creek Station, Louisville, Jefferson	0.00	0.00	0.00	0.00	0.00	0.00	130,667.00	130,667.00	0.00
U.S. Army Fort Knox Ranges, Fort Knox, Hardin	0.00	0.00	0.00	0.00	0.00	0.00	108,205.00	108,205.00	0.00
U.S. Army Fort Campbell Range, Fort Campbell, Christian	0.00	0.00	0.00	0.00	0.00	0.00	56,241.00	56,241.00	0.00
Kentucky Utilities Co. E. W. Brown Station, Burgin, Mercer	0.00	0.00	0.00	0.00	0.00	0.00	54,676.00	54,676.00	0.00
Louisville Gas & Electric Co. Cane Run Station, Louisville, Jefferson	0.00	0.00	0.00	0.00	0.00	0.00	51,710.00	51,710.00	0.00
Louisville Gas & Electric Co. Trimble County Station, Bedford, Trimble	0.00	0.00	0.00	0.00	0.00	0.00	44,731.00	44,731.00	0.00
Carbide/Graphite Group, Calvert City, Marshall	0.00	0.00	0.00	0.00	0.00	0.00	44,022.00	44,022.00	0.00
American Electric Power Big Sandy Plant, Louisa, Lawrence	0.00	6.00	0.00	0.00	0.00	0.00	41,683.00	41,689.00	0.00

\* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.